



# PATENT SPECIFICATION

DRAWINGS ATTACHED

927.597

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## COMPLETE SPECIFICATION

### Improvements in or relating to Devices for the Suspension of Gramophone Records, for Storage Purposes

5 We, KARL AUGUST MERTEN and JOHANNES KINN, both German Citizens, personally responsible partners of the Firm Gebrüder Merten, of Gummersbach/Rheinland, Germany, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

10 This invention relates to a suspension device for gramophone records which are not accommodated in a stand between wire stirrups, but are suspended from beam or rail means.

15 The present invention aims not only at enabling the erecting of such suspension devices on a horizontal support surface, but also at adapting them for hanging on the wall of a room or of a piece of furniture, in particular a gramophone cabinet.

20 To this end the present invention consists in a suspension device for gramophone records, comprising two spaced apart side members each having a head portion and a foot portion, beam or rail means interconnecting said side members and adapted to receive the records in a suspended position, and a support member adapted selectively to engage the rear edges of the head portions or the front edges of the side members intermediate the foot portions and the head portions so as to extend respectively towards a vertical or horizontal supporting surface and form a support for the device on said surface. The support member may be produced in a cheap manner in the form of a wire stirrup, the ends of which can be introduced into appropriate bores in the side members. The latter may be made of wood or plastic and be so constructed that they retain the stirrup ends in a specific position by means of said bores. The stirrup, together with the side members, when erected on a horizontal surface, forms a suspension device the stability of which is ensured in that the stirrup is advantageously positioned to be oblique with respect to the front edges of the side members.

In the case of suspension on the wall, the stirrup is preferably located horizontal or parallel to the beam or rail means, which serve for suspension of the records. The stirrup can be introduced into bores in the head portions of the side members, serving to house the rail means, and should be held frictionally in the bores with such tightness that the device can be suspended on the wall by the stirrup without the weight of the device and of the records causing separation of the side members from the stirrup.

In order that the invention may be more readily understood reference is made to the accompanying drawing which illustrates diagrammatically and by way of example an embodiment thereof and in which:—

Fig. 1 shows a suspension device for gramophone records mounted on a wall;

Fig. 2 shows the device supported on a horizontal surface; and

Figs. 3 and 4 show details of the suspension of the records.

The embodiment illustrated in the drawing comprises two side members 3 having head or upper portions 4, into which beam or rail means such as two bars 5 are admitted. Holding means, such as bosses (not shown), may further serve to secure the bar ends in the heads 4. The rear edges of the heads 4 are provided with bores 16 into which a stirrup shaped supporting member 6 is inserted by its two ends 7. The stirrup 6, like the two bars 5, is disposed in a horizontal plane.

The side members 3 have a substantially wedge shape, which in particular tapers towards the feet 8. The latter are connected by a bar 9 or the like member. The stirrup 6 is held to the wall 10 by means of two hooks 11 when the device is in use. The records 12 are in containers 13 which are engaged by hangers 14 each of which terminates, at its end facing the container, in two leaf springs 15. The upper part of the container 13 is thrust between the leaf springs 15 and the container is retained in its position by the spring force.

The hangers 14 are supported by the bars 5.

In Fig. 2 the stirrup 6 is inserted by its ends 7 into bores 16', which are located in the front edges intermediate the foot portions and the head portions of the side members 3. The stirrup 6 with the front edges of the side members 3 and the support surface forms an isosceles triangle on each side. The two bars 5 arranged in the head portion 4 run parallel to the support surface. The lower bar 9, instead of engaging the side members 3 perpendicularly, may be of stirrup shape and have end portions received in bores (not shown) in the foot portions 8, extending parallel to the faces thereof. In this case if the bores are sufficiently deep and if the end portions of the stirrup shaped lower bar are long enough, the lower bar can be pushed into the side members or withdrawn to a greater or lesser degree, whereby to vary the spacing of the lower bar from the bars 5, and thus adapt the device for the suspension of records of various diameters.

Instead of the bores 16, 16', the side members 3 may have bushings (not shown) secured thereto for receiving the stirrup 6 and the bar 9.

The hangers 14 each have a longitudinally extending slot 17, the upper wall of which has two ledges, 18 and 19. An introduction aperture 20 extends into the slot 17. Provided in the ledge 18 and having a spacing corresponding to the spacing of the two bars 5 are two recesses 21, which are so arranged that the container 13 hangs horizontal. Provided in the ledge 19 are two further recesses 22, to facilitate the movement of the container 13 into various oblique positions. When the recess 22 adjoining one of the recesses 21 is engaged by one of the bars 5 the container hangs less obliquely than when the recess 22 adjoining the introductory aperture 20 is engaged by the said one of the bars 5. This has the result that selected records may be brought into prominence by more or less pronounced oblique positioning of the selected records. Instead of the recesses 21, 22, protuberances may be provided on the ledge 18 for establishing the correct position of the hanger 14 relative to the bars 5. In this case, to remove a hanger from the bars 5 it is necessary to spring apart the portions of the hanger

separated by the slot 17, so that the bars 5 can clear the protuberances. The hangers 14 are described and claimed in our co-pending Application No. 8564/61. (Serial No. 927,596).

Modifications are possible, for example the shape of the side members and of the stirrups may be different from that illustrated. Instead of the two supporting bars 5, a single rail or the like may be used and, in place of the stirrups, support members having telescopically extensible legs may be used.

#### WHAT WE CLAIM IS:—

1. A suspension device for gramophone records, comprising two spaced apart side members each having a head portion and a foot portion, beam or rail means interconnecting said side members and adapted to receive the records in a suspended position, and a support member adapted selectively to engage the rear edges of the head portions or the front edges of the side members intermediate the foot portions and the head portions so as to extend respectively towards a vertical or horizontal supporting surface and form a support for the device on said surface.

2. A device as claimed in claim 1, wherein the support member assumes an oblique position with respect to the front edges of the side members when the support member is engaged in the front edges of the side members.

3. A device as claimed in claim 1 or 2, wherein the support member assumes a horizontal position when engaged in the rear edges of the head portions.

4. A device as claimed in claim 1, 2 or 3, wherein the side members are provided with bores into which the ends of the support member are introduced.

5. A device as claimed in any one of claims 1 to 4, wherein the support member is constructed in the form of a wire stirrup.

6. A suspension device for gramophone records as claimed in claim 1 and substantially as herein described with reference to Fig. 1 or 2 of the accompanying drawing.

H. A. L. VENNOR,  
Chartered Patent Agent,  
1 Great James Street,  
Bedford Row, London, W.C.1.  
Agent for the Applicants.

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COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of the Original on a reduced scale

